

## PROJECT SUMMARY

**County:** Modoc

**Applicant:** Pit Resource Conservation District

**Project Title:** Lower Rose Creek Restoration Project

### PROJECT GOAL

The goal is to implement a stream and meadow restoration project near Lookout, Modoc County. As part of project implementation, the project will be featured in public outreach and education efforts of the Pit RCD, thus helping raise awareness relating to local resource management problems and solutions.

### PROJECT SCOPE

The Pit Resource Conservation District (RCD) proposes an implementation project to address eroding streambanks and degraded riparian and floodplain conditions along the lower portion of Rose Creek. The total project area is approximately 20 acres and consists of roughly 4,000 linear feet of river. A meadow restoration project (i.e. Rose Canyon Creek Project) and a Pit River streambank stabilization and floodplain enhancement project were completed near this proposed project site between 2005-2007. This project proposes to continue work in this area and further improve habitat and connectivity of the Rose Creek and Pit River corridor.

The dominant feature of the project site is a slightly degraded stream and meadow along Rose Creek. Vegetation is well established within the floodplain and riparian corridor, but eroding vertical banks are present on the outward bends, and headcutting is occurring where Rose Creek joins the Pit River. Historically, this ecosystem featured saturated hydric meadow soils in the floodplain and a riparian corridor along the stream. Past management practices (i.e. improper culvert design, vegetation removal, and heavy livestock grazing) are the likely causes of channel incision and disconnection to the floodplain. These processes led to degradation of the riparian area and associated meadows along Rose Creek. Today, management practices that contributed to these conditions have been corrected, but recovery of the ecosystem cannot occur without active management and restoration/enhancement techniques. As part of the project, a contractor will be hired to follow the restoration plan. This design includes the installation of grade control structures to stop the headcuts, and the placement of junipers and gravel to revet eroding banks and “raise” the elevation of Rose Creek to near historic levels. Completion of the project will reconnect the stream to its floodplain, and result in improved water quality, improved in-stream habitat diversity, and improved riparian and meadow habitat along Rose Creek. Additionally, livestock improvements (e.g. fencing and watering structures) are part of the project design to allow landowners the ability to ensure project goals are met. Finally, the project will be highlighted in the local newspaper, RCD newsletter, and presented at local stakeholder meetings.

The proposed project will directly address six SNC program goals: increased opportunities for tourism and recreation, protection of living resources, preserving working landscapes, reducing the risks of natural disasters, improving water quality, and assisting the regional economy.

## **LETTERS OF SUPPORT**

The landowner has signed a binding agreement with the RCD (See Evaluation Criteria).

## **SNC PROJECT DELIVERABLES AND SCHEDULE**

<b>DETAILED PROJECT DELIVERABLES</b>	<b>TIMELINE</b>
Administration	March 2009 – March 2010
Post Design, Pre-Construction	March 2009 – July 2009
Construction	July 2009 – October 2009
Reports, Monitoring, and Outreach	July 2009 – March 2010

## **SNC PROJECT COSTS**

<b>PROJECT BUDGET CATEGORIES</b>	<b>TOTAL SNC FUNDING</b>
Administrative Costs	\$ 3,600
Operating Expenses	\$ 1,600
Contract Services and Materials for Management, Construction, Reporting, and Outreach	\$ 42,300
Total	\$ 47,500